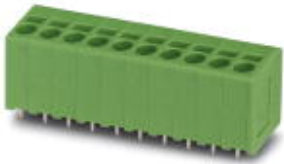


PCB terminal block - SPT 2,5/ 2-V-5,0 RD - 1703594

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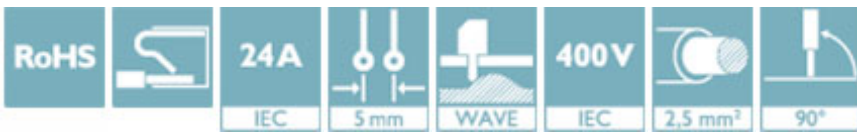
PCB terminal block, nominal current: 24 A, nom. voltage: 400 V, pitch: 5 mm, number of positions: 2, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 90 °, color: red



The figure shows a 10-position version of the product

Why buy this product

- Time saving push-in connection, tools not required
- Defined contact force ensures that contact remains stable over the long term
- Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- Operation and conductor connection from one direction enable integration into front of device
- Two solder pins reduce the mechanical strain on the soldering spots



Key Commercial Data

Packing unit	50 STK
GTIN	
GTIN	4046356659055

Technical data

Item properties

Brief article description	PCB terminal block
Range of articles	SPT 2,5/..-V
Pitch	5 mm
Number of positions	2
Connection method	Push-in spring connection
Mounting type	Wave soldering
Pin layout	Linear double pinning
Number of levels	1

Electrical parameters

Rated current	24 A
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Technical data

Electrical parameters

Rated insulation voltage (III/2)	400 V
Rated surge voltage (III/2)	4 kV

Connection capacity

Conductor cross section solid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG / kcmil	24 ... 12
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm ² ... 2.5 mm ² (Stripping length 8 mm)
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm ² ... 1.5 mm ² (Stripping length 8 mm)
Stripping length	10 mm

Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	hot-dip tin-plated
Metal surface terminal point (top layer)	Tin (4 - 8 µm Sn)
Metal surface soldering area (top layer)	Tin (4 - 8 µm Sn)

Material data - housing

Housing color	red (3001)
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Dimensions for the product

Length [l]	13.5 mm
Width [w]	11.4 mm
Height [h]	16.9 mm
Pitch	5 mm
Height (without solder pin)	14.4 mm
Solder pin [P]	2.5 mm
Pin dimensions	0.8 x 0.8 mm
Dimension a	5 mm
Pin spacing	8.2 mm

Dimensions for PCB design

Hole diameter	1.1 mm
Pin spacing	8.2 mm

Packaging information

Type of packaging	packed in cardboard
Pieces per package	50
Denomination packing units	Pcs.

Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C

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Technical data

Ambient conditions

Ambient temperature (operation)	-40 °C
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Electrical tests

Rated current	24 A
Rated insulation voltage (III/2)	400 V
Rated surge voltage (III/2)	4 kV

Air clearances and creepage distances

Insulating material group	I
Comparative tracking index (IEC 60112:2003-01)	CTI 600
Voltage	250 V
Rated insulation voltage (III/3)	250 V
Rated insulation voltage (III/2)	400 V
Rated insulation voltage (II/2)	630 V
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Minimum clearance - inhomogeneous field (III/3)	3 mm
Minimum clearance - inhomogeneous field (III/2)	3 mm
Minimum clearance - inhomogeneous field (II/2)	3 mm
Minimum creepage distance value (III/3)	3.2 mm
Minimum creepage distance value (III/2)	2 mm
Minimum creepage distance value (II/2)	3.2 mm

Standards and Regulations

Connection in acc. with standard	EN-VDE
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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Approvals

Approvals

Approvals

SEV / CCA / IECCEB CB Scheme / EAC / cULus Recognized

Ex Approvals

Approval details

PCB terminal block - SPT 2,5/ 2-V-5,0 RD - 1703594

Approvals

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3150
mm ² /AWG/kcmil		2.5	
Nominal current IN		24 A	
Nominal voltage UN		250 V	

CCA			IK-2956
mm ² /AWG/kcmil		2.5	
Nominal current IN		24 A	
Nominal voltage UN		250 V	

IECEE CB Scheme		http://www.iecee.org/	CH-7429
mm ² /AWG/kcmil		2.5	
Nominal current IN		24 A	
Nominal voltage UN		250 V	

EAC			B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20061129
	B	D	
mm ² /AWG/kcmil	24-12	24-12	
Nominal current IN	20 A	10 A	
Nominal voltage UN	300 V	300 V	

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